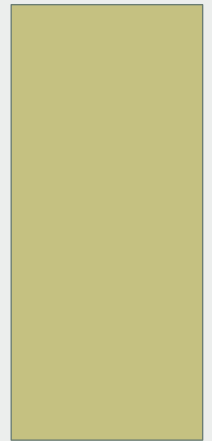


Water Data Exchange (WADE)

Sacramento, CA – Oct 17, 2012



every time you make a powerpoint



edward tufte kills a kitten

Water Data Exchange (WADE)



What's the Big Picture?

Why do we need to share data?

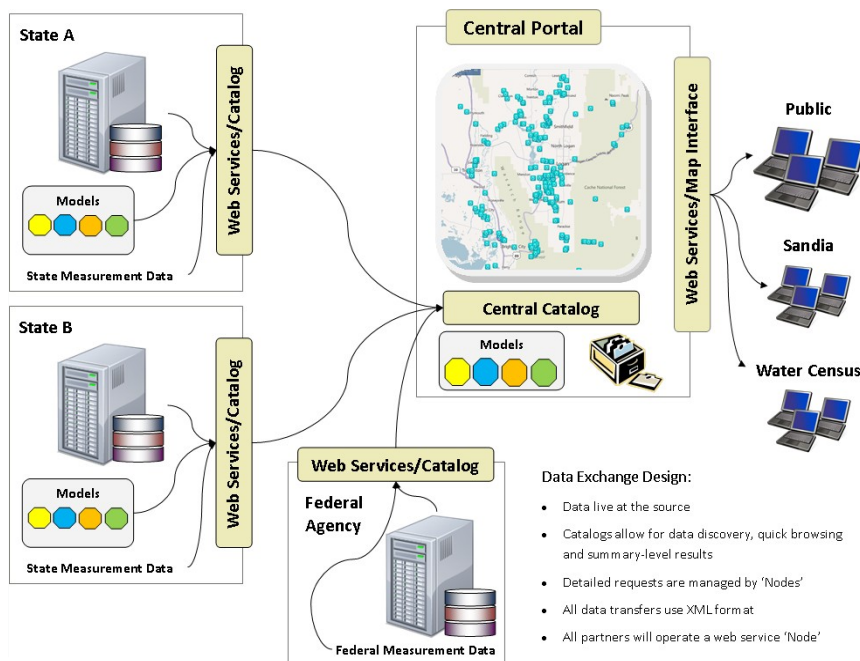
- Data sharing for regional watershed management and methods
- Data need to be more current, available, and easy to find
- Data need to be the state's
- Data need to be understandable
- Data need to be in a common defined format to reduce the cost of data collection and better facilitate repeatability

Wade Background



‘Big picture’ Goal?

Phase 1 - Better enable the states to share water planning, water use and allocation data with each other, the public and federal agencies.



Phase 2 - Improve the sharing of federal data with the states, to assist their planning efforts

On A smaller scale...

Try and get a handle on variability

Develop a common data schema (derived/time-series)

Show how the data exchange will work

Encourage the adoption of a schema for time-series, hydrologic measurement data



Workgroups/outreach

State Capabilities Assessment Workgroup

Methods Workgroup

Data Exchange Template Workgroup

Data Exchange Methodologies Workgroup

Outreach to the states...

- AZ, CO, ID, NM, OR, TX, UT, WA, WY, OK, KS, NE, MT **and now CA!!!**

Things we've learned so far...

We've captured a number of needed changes to our XML Schema (see booklets)

Summary data are mostly only in PDF documents, rarely in databases

So far we have one example of a state agency with summary-level data on their website.

<http://www.owrb.ok.gov/maps/server/wims.php>

What is a web service?

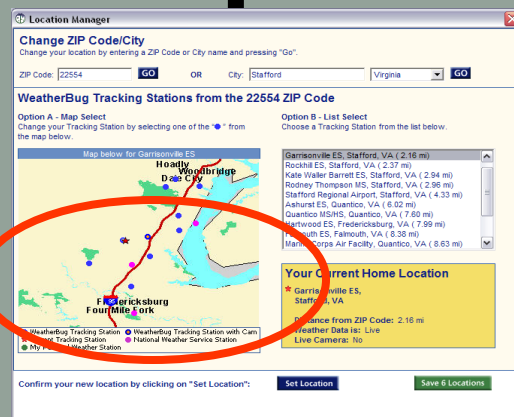
Weather Network



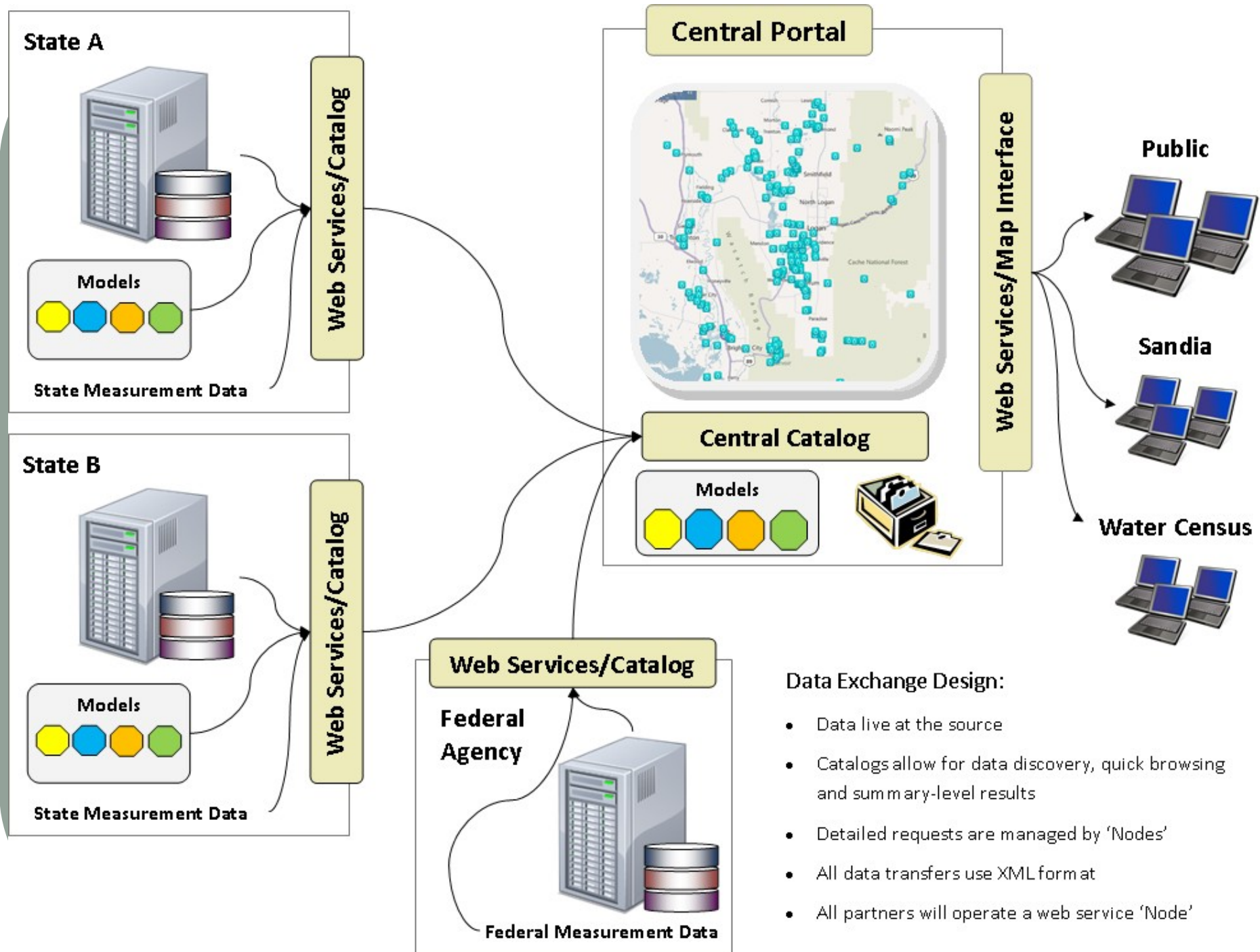
Returns XML



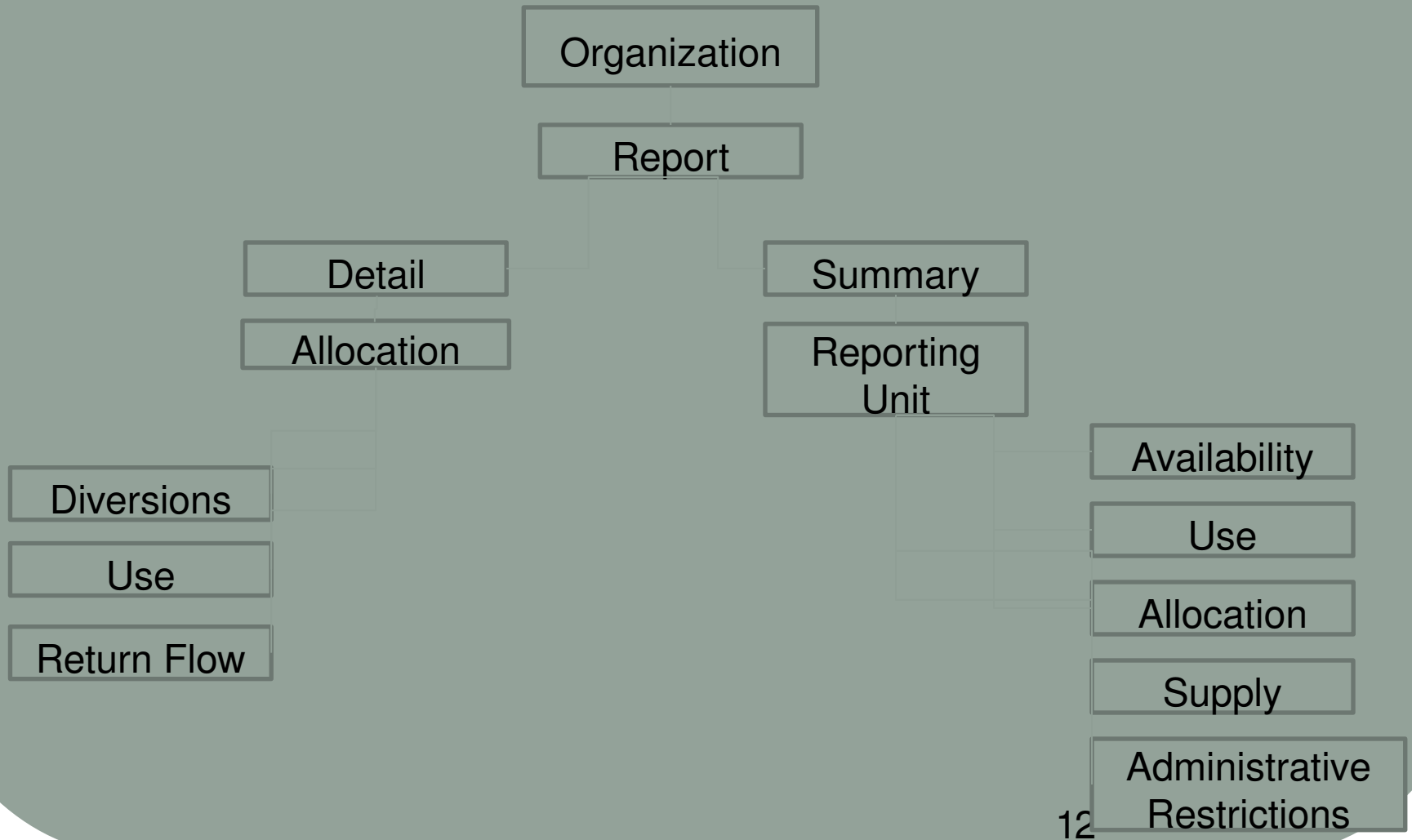
WeatherBug translates XML into
information for the task bar



Input Parameter: Zip Code



Draft Data Model



Central Portal

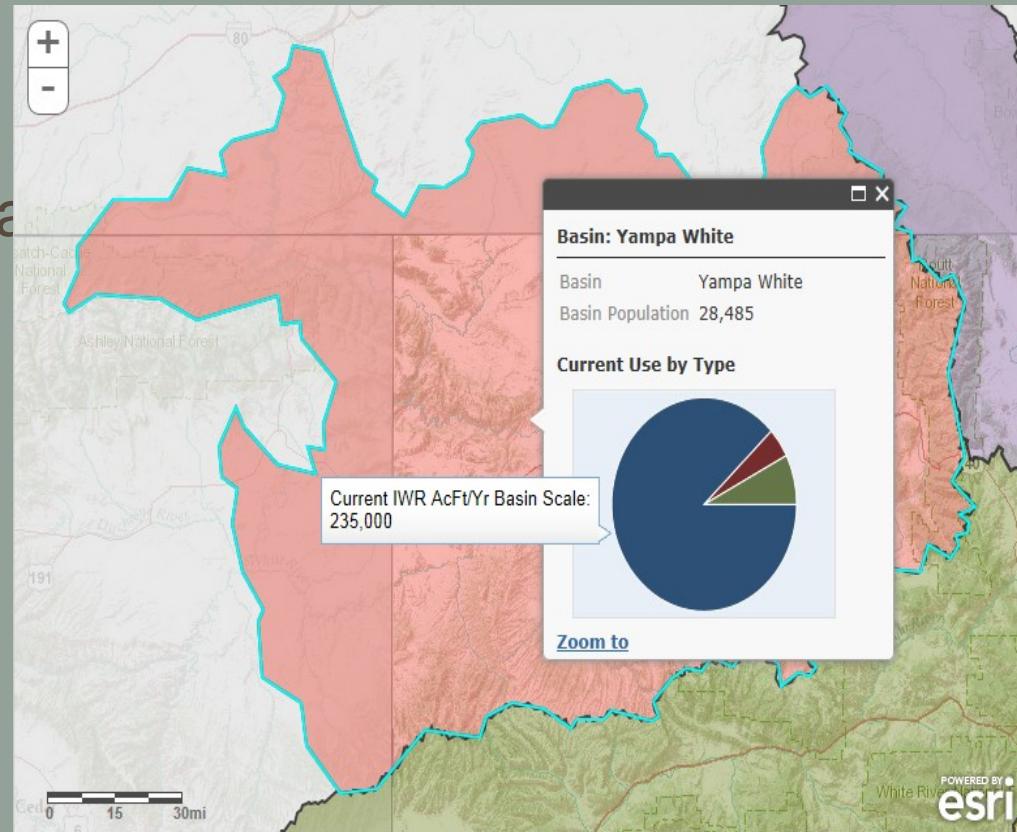
Summary-level
information on water
planning and supply data

An indication of water
availability

Different water uses

Regulatory status

Methods



scales & methods



A Way forward...

